

1  
said hybridization reaction being performed between the primers fixedly spotted on the substrate and said PCR-amplified base sequences; and

detecting at least one of the spots on said substrate in which the hybridization reaction occurs,

*B*  
2  
wherein said step of detecting the spots on said substrate in which the hybridization reaction occurs includes the steps of:

*COOT*  
processing a fluorescent material to enter in said PCR-amplified base sequences which are double-stranded DNAs; and

detecting fluorescence generated by exciting said fluorescent material contained in said at least one of the spots on the substrate.

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